

GEORGIA-EVANGELIA (YOLA) KATSARGYRI

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Education

2016	MASSACHUSETTS INSTITUTE OF TECHNOLOGY Ph.D. in Electrical Engineering and Computer Science <i>Minor:</i> Management Science at the Sloan School of Management, MIT	Cambridge, MA <i>GPA: 4.6/5.0</i>
2008	Master of Science in Electrical Engineering and Computer Science	<i>GPA: 4.5/5.0</i>
2006	NATIONAL TECHNICAL UNIVERSITY OF ATHENS Bachelor of Science in Electrical & Computer Engineering	Athens, Greece <i>GPA: 8.7/10.0</i>

Experience

	LUMINATE	Los Angeles, CA
08/2022-06/2023	Data Science Lead <ul style="list-style-type: none">• Led data science work, as an individual contributor, towards understanding, computing and predicting consumption of entertainment assets at a worldwide scale• Mentored and guided the work of more junior team members	
	POLLEN	Los Angeles, CA
10/2021-05/2022	Data Science Manager	
07/2021-10/2021	Data Science Lead <ul style="list-style-type: none">• Built, managed and mentored a team of 6 data scientists of various levels, leading 3 of them to promotion.• Shaped, streamlined and accelerated hiring process 9x, by optimizing scheduling, target performance profiles, screening criteria and negotiation techniques.• Led the team through a variety of projects including machine learning products, customer segmentation, statistical analyses, A/B testing, visualizations and presentations, offering a plethora of actionable tools across the business.• Coordinated the growth in quantity and quality of technological and project management tools, that increased the per capita productivity of the team by 46%.• Drove the collection, acquisition, integration and consolidation of a variety of first-, second- and third-party data sources across the business.• Built and communicated the data strategy of the company working directly with the VP and C-suite level. Contributed with personal work to a \$150M series-C funding.• Nurtured strong relationships with stakeholders and teams, ranging from IC to C-suite level and spanning a variety of technical and functional disciplines.	
2017-2021	GOGUARDIAN Data Scientist <ul style="list-style-type: none">• Created data-based products that help K-12 students engage with online educational content in a safe and focused manner.• Built machine learning models, implementing the entire pipeline from data collection to deployment as production services at scale.• Worked on a variety of classification and regression problems utilizing text and behavioral data.• Collaborated closely and communicated effectively with the Engineering, Design, Product, Project management and Sales teams to develop high-quality data products driven by business needs.	Los Angeles, CA
2017-2018	THINKNEAR BY TELENAB Data Analyst / Data Scientist <ul style="list-style-type: none">• Employed clustering techniques to identify user personas for effective targeting in the field of location-based digital advertising, which earned the company 1.5 million dollars a year.• Built ML based products, utilizing supervised and unsupervised methods.• Initiated, evangelized and cultivated a data-driven culture in a company with no prior experience with data.• Designed, prioritized and implemented client-facing products for million-dollar clients.• Led market research to identify relevant data providers and negotiated yearly contracts.• Coordinated interdisciplinary projects among Data Science, Client Strategy, Marketing and Product teams.	Los Angeles, CA
2012-2016	MASSACHUSETTS INSTITUTE OF TECHNOLOGY PhD thesis – Research Assistant <ul style="list-style-type: none">• Provided a rigorous characterization of the conditions under which investors' limited information, as well as their independent investment decisions according to that information, may magnify risk in the financial system and lead to a financial crisis.• Formulated an efficient model abstraction of the financial system and studied therein risk performance.• Validated model and risk performance results through rigorous theoretical and numerical analysis.	Cambridge, MA
2007-2010	FORD MOTOR COMPANY - MIT ALLIANCE Research Assistant and Intern within FORD-MIT ALLIANCE Project <ul style="list-style-type: none">• Developed a mathematical algorithm for fuel consumption minimization in Hybrid Electric Vehicles, utilizing optimization methods, statistical modeling and route forecasting techniques.• Achieved 14% fuel consumption reduction. Published 2 <i>US patents (US 8612077, US 20140095003)</i>.• Acted as liaison between a highly technical team and Ford Research and Development Management.	Dearborn, MI / Cambridge, CA

Teaching

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Cambridge, MA

2016 *How to Present Ideas in Engineering*

2009 *Linear Algebra and Functional Analysis for Signals and Systems*

US Patents

2017 US 9545915: [Electric vehicle and method of battery set-point control](#)

2013 US 8612077: [Hybrid electric vehicle and method of path dependent receding horizon control](#)

Skills

Machine Learning and Statistics: Regression, Classification, Clustering, Deep Learning, NLP, A/B Testing

Tools: Python, SQL, Matlab / Jupyter, Docker, Github / AWS, Snowflake / JIRA, Asana, Monday / Periscope, Tableau

Languages: Greek (native), English, Spanish, French, German